

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/000074

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q11/08 H01Q7/00 H01Q1/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/011527 A1 (KOKORIN BORIS IVANOVICH ET AL) 16 January 2003 (2003-01-16) abstract; claims 1,3; figures 1a-1c,4 paragraphs '0006!, '0007!, '0047!, '0052!, '0053!, '0055!, '0057! -----	1-14
X	US 5 654 723 A (CRAVEN ET AL) 5 August 1997 (1997-08-05) abstract; figures 66,67,69-71 -----	1,2,8, 12,13
A	US 5 734 353 A (VAN VOORHIES ET AL) 31 March 1998 (1998-03-31) abstract; claims 36-39; compounds 1-14,21,58,68,69,76 column 6, line 16 - line 67 column 10, line 45 - line 55 column 12, line 51 - line 59 column 20, line 57 - column 22, line 6 ----- -/-	2,8,12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

15 April 2005

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25/04/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 552 530 B1 (VAISER LEONID VLADIMIROVICH ET AL) 22 April 2003 (2003-04-22) column 4, line 12 - line 41; figures 4,5,11 column 10, line 30 - line 42 -----</p>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

WIPO/IB2005/000074

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003011527	A1	16-01-2003	AU 6352101 A EP 1297589 A1 WO 0180359 A1	30-10-2001 02-04-2003 25-10-2001
US 5654723	A	05-08-1997	US 5442369 A AU 706459 B2 AU 6090396 A BR 9608754 A CA 2223296 A1 CN 1191042 A CZ 9703923 A3 DE 69625059 D1 EP 0830710 A1 HU 9900861 A2 IL 122469 A JP 2000503171 T NZ 310165 A PL 323920 A1 RU 2159486 C2 WO 9641397 A1 US 6204821 B1 US 6028558 A	15-08-1995 17-06-1999 30-12-1996 07-12-1999 19-12-1996 19-08-1998 15-04-1998 09-01-2003 25-03-1998 28-07-1999 13-08-2000 14-03-2000 25-02-1999 27-04-1998 20-11-2000 19-12-1996 20-03-2001 22-02-2000
US 5734353	A	31-03-1998	AU 6845696 A CA 2229181 A1 DE 69620453 D1 DE 69620453 T2 EP 0870344 A1 WO 9707559 A1 US 6239760 B1 US 5952978 A	12-03-1997 27-02-1997 08-05-2002 17-10-2002 14-10-1998 27-02-1997 29-05-2001 14-09-1999
US 6552530	B1	22-04-2003	AU 9450898 A CA 2306773 A1 EP 1048096 A1 WO 9919936 A1 US 2003169132 A1	03-05-1999 22-04-1999 02-11-2000 22-04-1999 11-09-2003